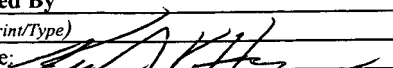


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1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number <b>08-3425</b> Deposit Account Name <b>Human Genome Sciences, Inc.</b> Name  <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17  <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27				3. ADDITIONAL FEES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late declaration fee</td><td>\$130.00</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920</td><td>112</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840</td><td>113</td><td>1,840</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive -unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - 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late declaration fee	\$130.00	127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920	112	920	Requesting publication of SIR prior to Examiner action		113	1,840	113	1,840	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month		118	1,390	218	695	Extension for reply within fourth month		128	1,890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive -unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	240	126	240	Submission of Information Disclosure Statement		581	40	481	40	Recording each patent assignment per property (times number of properties)	\$ 40.00	146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))		149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	190	169	900	Request for expedited examination of a design application		Other fee (specify):						Other fee (specify):						*Reduced by Basic Filing Fee Paid						<b>Subtotal (3)</b>					<b>\$170.00</b>
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Name (Print/Type)				Registration No.:		Telephone 301-309-8504																																																																																																																																																																																																							
Signature: 						Date February 5, 2001																																																																																																																																																																																																							

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ruben et al.

Application Serial No.: 09/661,453

Group Art Unit: Not assigned

Filed: September 13, 2000

Examiner: Not assigned

For: **27 Human Secreted Proteins**

Attny Docket No.: PZ038P1



#7

REQUEST FOR CORRECTION OF FILING RECEIPT

Commissioner for Patents  
Washington, D.C. 20231

Attn: Office of Initial Patent  
Examination's Customer Service Center


Sir:

Applicant(s) hereby request(s) that a corrected Official Filing Receipt be issued and sent to the undersigned representative. Specifically, the following correction to the Official Filing Receipt is requested: Under "Continuing Data as Claimed by Applicant" please show the International Application Number correctly as PCT/US00/06783. In support of the above request, a photocopy of the instant Official Filing Receipt is enclosed with the corrections noted in red. It is requested that a corrected Official Filing Receipt be issued, and sent to the undersigned at the earliest possible time.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3425. A duplicate copy of this pleading is enclosed.

Respectfully submitted,

Date: February 5, 2001

  
Kenley K. Hoover (Reg. No. 40,302)  
Attorney/Agent for Applicant

Human Genome Sciences, Inc.  
9410 Key West Avenue  
Rockville, MD 20850  
(301) 309-8504

Enclosures: Duplicate filing receipt with corrections  
Duplicate of this sheet



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/661,453	09/13/2000	1641	822	PZ038P1		23	4

Human Genome Sciences Inc  
9410 Key West Avenue  
Rockville, MD 20878

## FILING RECEIPT



\*OC000000005600653\*

**RECEIVED**  
**D**

DEC 11 2000

Date Mailed: 12/06/2000

Receipt is acknowledged of this non-provisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Steven M. Ruben, Olney, MD ;  
Jian Ni, Rockville, MD ;  
Reinhard Ebner, Gaithersburg, MD ;  
Craig A. Rosen, Laytonsville, MD ;  
Yanggu Shi, Gaithersburg, MD ;  
Charles E. Birse, North Potomac, MD ;  
Kimberly A. Florence, Rockville, MD ;  
George Komatsoulis, Silver Spring, MD ;  
David W. LaFleur, Washington, DC ;  
Paul A. Moore, Germantown, MD ;  
Henrik Olsen, Gaithersburg, MD ;  
Paul Young, Gaithersburg, MD ;



## Continuing Data as Claimed by Applicant

THIS APPLICATION IS A CIP OF PCT/US00/02783 03/16/2000  
WHICH CLAIMS BENEFIT OF 60/125,055 03/18/1999.

## Foreign Applications

If Required, Foreign Filing License Granted 12/06/2000

## Title

27 Human secreted proteins

Preliminary Class

435

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Data entry by : GARNETT, SANDRA

Team : OIPE

Date: 12/06/2000





## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/661,453	09/13/2000	Steven M. Ruben	PZ038P1

Human Genome Sciences Inc  
9410 Key West Avenue  
Rockville, MD 20878



## FORMALITIES LETTER



Date Mailed: 12/06/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

- This application clearly fails to comply with the requirements of 37 CFR 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-1123
- For CRF Submission Help, call (703) 308-4212
- PatentIn Software Program Support
- - For Technical Assistance, call (703) 287-0200
- - To Purchase PatentIn Software, call (703) 306-2600

- The balance due by applicant is \$ 130.

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*A copy of this notice MUST be returned with the reply.*

*J. Barnett*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ruben et al.

Application Serial No.: 09/661,453

Group Art Unit: Not assigned

Filed: September 13, 2000

Examiner: Not assigned

For: **27 Human Secreted Proteins**

Attny Docket No.: PZ038P1

**RESPONSE TO NOTICE TO FILE MISSING PARTS**

Assistant Commissioner For Patents  
BOX MISSING PARTS  
Washington, D.C. 20231

Sir:


In response to the Notice to File Missing Parts dated December 6, 2000, submitted herewith is an executed Declaration and Power of Attorney for entry into the above-referenced application.

As per Applicant's telephone conference with Mr. Mark Spencer from the Patent and Trademark Office, the Sequence Listing as originally filed with the current application is in full compliance with the requirements of 37 CFR 1.821-1.825. Therefore, no substitute Sequence Listing is submitted herewith.

The Commissioner is hereby authorized to charge the required fee of \$130.00, and any other fee deemed necessary, to Deposit Account No. 08-3425.

Respectfully submitted,

Date: February 5, 2001

  
Kenley K. Hoover (Reg. No. 40,302)  
Attorney/Agent for Applicants

**Human Genome Sciences, Inc.**  
9410 Key West Avenue  
Rockville, Maryland 20850  
301-309-8504 (telephone)

KKH/ur